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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Vogels et al.

Serial No.: 09/444,284

Filed: November 19, 1999

For: GENE DELIVERY VECTORS  
PROVIDED WITH A TISSUE TROPISM  
FOR SMOOTH MUSCLE CELLS, AND/OR  
ENDOTHELIAL CELLS

Confirmation No.: 8464

Examiner: S. Chen

Group Art Unit: 1632

Attorney Docket No.: 2578-4231US

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 5,585,254	12-17-1996	Maxwell et al.
US - 5,861,290	01-19-1999	Goldsmith et al.
US - 6,329,190 B1	12-11-2001	Wickham et al.
US - 6,455,314 B1	09-24-2002	Wickham et al.

Other Documents

Boucher et al., J. Clin Invest, 1999 Feb, pp. 441-5, Vol. 103.  
Bowie et al., Science, 1990 Mar., pp. 1306-10, Vol. 247.  
Lazarovits et al., J Immunol, 1993, pp. 6482-9, Vol. 151.  
Makrides et al., Protein Exp Pur, 1999, pp. 183-202, Vol. 17.  
Mei et al., Virol, 1998, pp. 254-66, Vol. 240.  
Miller et al., FASEB J., 1995, pp. 190-99, Vol. 9.  
Robbins et al., Pharmacol Ther, 1998, pp. 35-47, Vol. 80.  
Rudinger, Peptide Hormones, 1976 June, pp. 1-7.  
Russell et al., Nat Genet, 1998 Apr, pp. 325-30, Vol. 18.  
Shang et al., J. Immunol, 1998, pp. 267-74, Vol. 160.  
Zink et al., Gene Ther Mol Biol, 2001 Jan, pp. 1-24, Vol. 6.

**Serial No.: 09/444,284**

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56 & 1.175, Applicants hereby identify the following listed copending applications naming common inventor(s):

Attorney Docket No.: 2578-3840US  
Serial No.: 09/065,752  
Filing Date: 4/24/1998  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-4230US  
Serial No.: 09/214,836  
Filing Date: 10/4/1999  
Title: MELANOMA ASSOCIATED PEPTIDE ANALOGUES AND  
VACCINES AGAINST MELANOMA

Attorney Docket No.: 2578-4075US  
Serial No.: 09/332,803  
Filing Date: 6/14/1999  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-4123.2US  
Serial No.: 09/348,354  
Filing Date: 7/7/1999  
Title: CHIMAERIC ADENOVIRUSES

Attorney Docket No.: 2578-4231US  
Serial No.: 09/444,284  
Filing Date: 11/19/1999  
Title: GENE DELIVERY VECTORS PROVIDED WITH A TISSUE  
TROPISM FOR SMOOTH MUSCLE CELLS, AND/OR  
ENDOTHELIAL CELLS

Attorney Docket No.: 2578-3833.3US  
Serial No.: 09/506,548  
Filing Date: 2/16/2000  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-3982.2US  
Serial No.: 09/517,898  
Filing Date: 3/3/2000  
Title: MEANS AND METHODS FOR FIBROBLAST-LIKE OR  
MACROPHAGE-LIKE CELL TRANSDUCTION

Attorney Docket No.: 2578-4038.1US  
Serial No.: 09/549,463  
Filing Date: 4/14/2000  
Title: RECOMBINANT PROTEIN PRODUCTION IN A HUMAN  
CELL

Attorney Docket No.: 2578-4070.1US  
Serial No.: 09/573,740  
Filing Date: 5/18/2000  
Title: SEROTYPES OF ADENOVIRUS AND USES THEREOF

Attorney Docket No.: 2578-4192.1US  
Serial No.: 09/657,492  
Filing Date: 9/8/2000  
Title: MODIFIED ADENOVIRAL VECTORS FOR USE IN GENE  
THERAPY

Attorney Docket No.: 2578-4489US  
Serial No.: 09/665,472  
Filing Date: 9/20/2000  
Title: GENE DELIVERY VECTORS PROVIDED WITH A TISSUE  
TROPISM FOR DENDRITIC CELLS

Attorney Docket No.: 2578-4843US  
Serial No.: 09/843,894  
Filing Date: 4/27/2001  
Title: AAV VECTOR PRODUCTION

Attorney Docket No.: 2578-3840.1US  
Serial No.: 09/900,062  
Filing Date: 7/6/2001  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT

ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-3935.1US  
Serial No.: 09/912,552  
Filing Date: 7/23/2001  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-3833.5US  
Serial No.: 09/918,029  
Filing Date: 7/30/2001  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-4509.1US  
Serial No.: 09/928,262  
Filing Date: 8/10/2001  
Title: GENE DELIVERY VECTORS WITH CELL TYPE  
SPECIFICITY FOR PRIMARY HUMAN CHONDROCYTES

Attorney Docket No.: 2578-4123.1US  
Serial No.: 09/953,280  
Filing Date: 9/14/2001  
Title: CHIMAERIC ADENOVIRUSES

Attorney Docket No.: 2578-5148US  
Serial No.: 10/002,750  
Filing Date: 11/15/2001  
Title: COMPLEMENTING CELL LINES

Attorney Docket No.: 2578-5006.1US  
Serial No.: 10/010,645  
Filing Date: 11/13/2001  
Title: GENE DELIVERY VECTORS WITH CELL TYPE  
SPECIFICITY FOR MESENCHYMAL STEM CELLS

Attorney Docket No.: 2578-3833.6US  
Serial No.: 10/038,271  
Filing Date: 10/23/2001  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2183-5226US  
Serial No.: 10/040,949  
Filing Date: 1/7/2002  
Title: INFECTION WITH CHIMAERIC ADENOVIRUSES OF CELLS  
NEGATIVE FOR THE ADENOVIRUS SEROTYPE 5  
COXSACKI ADENOVIRUS RECEPTOR (CAR)

Attorney Docket No.: 2578-5233US  
Serial No.: 10/042,770  
Filing Date: 1/9/2002  
Title: GENE THERAPY FOR ENHANCING AND/OR INDUCING  
ANGIOGENESIS

Attorney Docket No.: 2578-3833.7US  
Serial No.: 10/125,751  
Filing Date: 4/18/2002  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-3955.1US  
Serial No.: 10/136,139  
Filing Date: 5/1/2002  
Title: MEANS AND METHODS FOR NUCLEIC ACID DELIVERY  
VEHICLE DESIGN AND NUCLEIC ACID TRANSFER

Attorney Docket No.: 2578-4615.1US  
Serial No.: 10/164,085  
Filing Date: 6/4/2002  
Title: COMPLEMENTING CELL LINES

**Serial No.: 09/444,284**

**Attorney Docket No.:** 2578-3833.8US  
**Serial No.:** 10/219,414  
**Filing Date:** 8/15/2002  
**Title:** STOCKS OF REPLICATION DEFICIENT ADENOVIRUS

**Attorney Docket No.:** 2578-5233.1US  
**Serial No.:** 10/224,249  
**Filing Date:** 8/19/2002  
**Title:** GENE THERAPY FOR ENHANCING AND/OR INDUCING ANGIOGENESIS

**Attorney Docket No.:** 2578-4215.1US  
**Serial No.:** 10/231,735  
**Filing Date:** 8/28/2002  
**Title:** INTERLEUKIN-3 GENE THERAPY FOR CANCER

**Attorney Docket No.:** 2578-4038.2US  
**Serial No.:** 10/234,007  
**Filing Date:** 9/3/2002  
**Title:** RECOMBINANT PROTEIN PRODUCTION IN A HUMAN CELL

**Attorney Docket No.:** 2578-4080.1US  
**Serial No.:** 10/235,175  
**Filing Date:** 9/4/2002  
**Title:** TARGETED DELIVERY THROUGH A CATIONIC AMINO ACID TRANSPORTER

**Attorney Docket No.:** 2578-4615.2US  
**Serial No.:** 10/272,041  
**Filing Date:** 10/15/2002  
**Title:** COMPLEMENTING CELL LINES

Attorney Docket No.: 2578-5592US  
Serial No.: 10/305,435  
Filing Date: 11/25/2002  
Title: METHODS AND MEANS FOR ENHANCING SKIN  
TRANSPLANTATION USING GENE DELIVERY VEHICLES  
HAVING TROPISM FOR PRIMARY FIBROBLASTS, AS WELL  
AS OTHER USES THEREOF (PRIMAIRE FIBROBLASTEN)

Attorney Docket No.: 2578-5832US  
Serial No.: 10/381,088  
Filing Date: 3/20/2003  
Title: ADENOVIRAL VECTORS PROVIDED WITH A TROPISM FOR  
DENDRITIC CELLS

Attorney Docket No.: 2578-5904US  
Serial No.: 10/381,857  
Filing Date: 3/26/2003  
Title: ADENOVIRAL VECTORS FOR GENE DELIVERY IN  
SKELETAL MUSCLE CELLS OR MYOBLASTS

Attorney Docket No.: 2578-3840.2US  
Serial No.: 10/396,548  
Filing Date: 3/25/2003  
Title: PACKAGING SYSTEMS FOR HUMAN RECOMBINANT  
ADENOVIRUS TO BE USED IN GENE THERAPY

Attorney Docket No.: 2578-5447US  
Serial No.: 60/397,066  
Filing Date: 7/18/2002  
Title: RECOMBINANT PRODUCTION OF MIXTURES OF  
ANTIBODIES



Serial No.: 09/444,284

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Respectfully submitted,



Andrew F. Nilles  
Registration No. 47,825  
Attorney for Applicant(s)  
TRASKBRITT, P.C.  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: April 23, 2003  
AFN/bv

Enclosures: Form PTO-1449 or PTO/SB/08  
Copy of documents cited

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